

Title (en)

FLOATABLE WIND TURBINE FOR PRODUCING HYDROGEN

Title (de)

SCHWIMMFÄHIGE WINDTURBINE ZUR HERSTELLUNG VON WASSERSTOFF

Title (fr)

ÉOLIENNE FLOTTANTE POUR LA PRODUCTION D'HYDROGÈNE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2022182237A1] The invention relates to a floatable wind turbine (1), comprising: - a rotor (2), - a generator (3) driven by the rotor, - a nacelle (4) housing the generator, - a floatable foundation (5), - a mast section (6), - electrolysis equipment (9) for producing hydrogen from a water mass (10) upon which the floatable foundation is floating during use, - water treatment equipment (11) for preparing water from the water mass for use in the electrolysis equipment, and - one or more storage vessels (12) for storing the hydrogen, arranged below a waterline (13) of the water mass for providing buoyancy to the floatable wind turbine, wherein a storage pressure of the hydrogen in the one or more storage vessels is 2 – 30 bar.

IPC 8 full level

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